

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. - 2. (canceled).

3. (previously presented): The portable photoelectric air cleaner according to claim 9, further comprising a supporting frame formed in said body, a lower end of the supporting frame being provided with a power supply generator, a transformer, power source, lines and a charging battery, and an upper end of the supporting frame is provided with an electronic switcher.

4. (previously presented): The portable photoelectric air cleaner according to claim 9, wherein a movable handle and a movable gallus are fixed on the body, said movable gallus is connected to the body through a buckle.

5. (previously presented): The portable photoelectric air cleaner according to claim 9, wherein the body has charging batteries for providing power to the air cleaner, the output of said charging batteries is connected to a direct current(DC) input to a circuit board.

6. (canceled).

7. (previously presented): The portable photoelectric air cleaner according to claim 3, wherein the body has charging batteries for providing power to the air cleaner, the output of said charging batteries is connected to a direct current(DC) input to a circuit board.

8. (canceled).

9. (previously presented): A portable photoelectric air cleaner comprising:
a semicircular body having front, top and rear portions forming a continuous curve and defining a curved front face with an air outlet portion and a curved rear face with an air inlet portion, said body having an interior portion, side portions and a flat bottom portion,
an extractor fan, a transformer, and a circuit board, being disposed within said interior portion;
a cathode fiber line for discharging high voltage being fixed to said curved front face at the air outlet portion;

an ultra violet band C radiation tube being disposed within said interior portion proximate to said air outlet portion; and

an air collector formed within said interior portion between said air inlet portion and said outlet portion and containing said radiation tube,

wherein the extractor fan is disposed between the ultra violet band C radiation tube and said air outlet portion;

wherein said air collector is comprised of a space which is defined by air collector walls extending from respective side portions of said body and a blocking wall wherein said blocking wall is spaced apart and upstream from said air collector walls and having an air inlet defined by said air collector walls and said blocking wall for forcing the air from the air inlet once around the ultra violet band C radiation tube; and

wherein said ultra violet band C radiation tube is affixed within said space between the air collector walls and said blocking wall to prevent emission of rays from the cleaner.

10. (previously presented): The portably electric air cleaner according to claim 9, wherein said radiation tube and said fan are disposed at an angle to said flat base and are orthogonal to the direction of air flow at the air outlet portion.

11. (previously presented): The portable photoelectric air cleaner according to claim 10 further comprising a plurality of dust partitions at said air inlet portion.